

AMENDMENTS TO THE CLAIMS

Please amend Claims 1, 2, 4, 5 and 7-10 as follows.

LISTING OF CLAIMS

1. (currently amended) An antenna apparatus mounted [[on]] in a hole
defined by a vehicle having an internal edge being formed by making a hole in a body
made of metal, the antenna apparatus comprising:

a planar antenna having a radiating element and a ground plate, wherein
the radiating element is positioned at spaced in one direction from one
side of an imaginary plane inside of the internal edge the vehicle body, and
the ground plate is positioned at another spaced in an opposite direction
from an opposite side of the imaginary plane vehicle body.

2. (currently amended) The Antenna antenna apparatus according to claim
1, wherein:

the vehicle body defines a concavity,
the internal edge hole is formed by making the hole in the bottom of the
concavity, and
the radiating element is positioned in the concavity.

3. (original) The antenna apparatus according to claim 1, further comprising:
a metal plate positioned between the radiating element and the ground
plate.

4. (currently amended) The antenna apparatus according to claim 3, wherein the vehicle body, the metal plate and the ground plate are electrically connected to each other to be at the same electric potential.

5. (currently amended) The antenna apparatus according to claim 4, wherein the vehicle body and the metal plate are connected by an electrical connection element ~~such as a metal and a dielectric~~.

6. (original) The antenna apparatus according to claim 3, wherein the radiating element, the ground plate and the metal plate are molded by a resin.

7. (currently amended) A method for mounting a planar antenna on a vehicle, the planar antenna having a radiating element and a ground plate, the method comprising the steps of:

boring a hole in a body of the vehicle; and
locating the planar antenna in the hole so that ~~an imaginary plane inside of~~ an internal edge of the hole is positioned between the radiating element and the ground plate.

8. (currently amended) An antenna apparatus mounted ~~[[on]]~~ in a hole defined by a metal attachment plate that ~~defines a hole, the attachment plate having an internal edge,~~ the antenna apparatus comprising:

a planar antenna having a radiating element and a ground plate, wherein

the radiating element is positioned on a first spaced in one direction from
one side of a plane traversing the hole the metal attachment plate, and
the ground plate is positioned on a second spaced in an opposite direction
from an opposite side of the [[plane]] metal attachment plate.

9. (currently amended) The antenna apparatus according to claim 8, wherein at a location an internal edge of the hole is positioned between the radiating element and the ground plate an imaginary plane traverses the hole.

10. (currently amended) An antenna apparatus mounted on a vehicle, the antenna apparatus comprising:

a planar antenna having a radiating element and a ground plate; and
a metal vehicular body, the vehicular body defining a hole which has an internal edge,

wherein a imaginary plane traversing the internal edge of the hole is located between the radiating element and the ground plate.